

32692

Customer Number

Patent
Case No.: 58354US002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named Inventor: ROSENFLANZ, ANATOLY Z.
Application No.: 10/666615 Group Art Unit: 1755
Filed: September 18, 2003 Examiner: Elizabeth Bolden
Title: METHODS OF MAKING CERAMICS COMPRISING Al_2O_3 , REO, ZrO_2
AND/OR HfO_2 AND Nb_2O_5 AND/OR Ta_2O_5

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on:

June 9, 2004

Date

Lisa Hengen

Signed by: Lisa Hengen

Dear Sir:

Pursuant to 37 CFR §§ 1.56, 1.97, and 1.98, enclosed is a completed Form PTO-1449, citing references submitted for consideration by the Examiner. Copies of any cited foreign patents, non-patent literature, and unpublished US application documents are enclosed. Pursuant to the waiver in the Pre-OG Notice, dated July 11, 2003, copies of US patents and published US patent applications are no longer required and are not enclosed. It is respectfully requested that the Examiner initial and return the enclosed Form PTO-1449 to indicate that each reference has been considered.

If a first Office Action on the merits has been mailed prior to the mailing date of this document, please charge the fee for consideration of an Information Disclosure Statement set forth in 37 CFR § 1.17(p), and if necessary, please charge any additional fees, or credit any overpayment to Deposit Account No. 13-3723.

Respectfully submitted,

Date

June 3, 2004

By:

Gregory D. Allen, Reg. No.: 35,048

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Office of Intellectual Property Counsel
3M Innovative Properties Company
Facsimile No.: 651-736-3833

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Filing Date

September 18, 2003

First Named Inventor

Rosenflanz, Anatoly

Art Unit

1755

Examiner Name

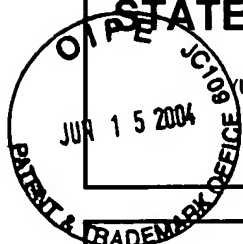
Elizabeth Bolden

Attorney Case Number

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(Use as many sheets as necessary)

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	A2	US- 906,339	12/08/1908	Tone	
	A3	US- 960,712	06/07/1910	Saunders	
	A4	US- 1,037,999	09/10/1912	Saunders	
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	A6	US- 1,149,064	08/03/1915	Kalmus	
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	A25	US- 2,958,593	11/01/1960	Hoover et al.	
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	A27	US- 3,041,156	06/26/1962	Rowse et al.	
	A28	US- 3,141,747	07/21/1964	Marshall	

*Examiner:

Date Considered:

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Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary) Page 2 of 14	Application Number	10/666615
	Filing Date	September 18, 2003
	First Named Inventor	Rosenflanz, Anatoly
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	Examiner Name	Elizabeth Bolden
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		Doc. Number-(Kind Code if Known)			
	A169	US- 6,490,081 B1	12/03/2002	Feillens et al.	
	A170	US- 6,521,004	02/18/2003	Culler et al.	
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		Ctry. Code	Number-KindCode (If known)				
	B1	AT	333146	10/11/1976			X
	B2	DD	134 638 A	03/14/1979			X
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	B4	EP	0 200 487	11/05/1986			
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	B14	EP	0 647 601 A1	04/12/1995			
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	B23	JP	06 040765A	2/15/1994			X Machine
	B24	JP	59 22 7726A	12/21/1984			X Machine

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	First Named Inventor	Rosenflanz, Anatoly
	Art Unit	1755
	Examiner Name	Elizabeth Bolden
	Attorney Case Number	58354US002

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
	B25	JP	2001294480	10/23/2001			X Machine
	B26	Hei	11-189926	07/13/1999			X Machine
	B27	Hei	4-119941	04/21/1992			X
	B28	S	63-156024	06/29/1988			X
	B29	S	63-303821	12/28/1988			X
	B30	WO	94/14722	07/07/1994			
	B31	WO	97/16385	05/09/1997			
	B32	WO	97/25284	07/19/1997			
	B33	WO	00/34201	06/15/2000			X
	B34	WO	01/16047 A2	03/08/2001			
	B35	WO	01/23321 A1	04/05/2001			
	B36	WO	01/23323 A1	04/05/2001			
	B37	WO	01/27046 A1	04/19/2001			
	B38	WO	01/56946 A	08/09/2001			
	B39	WO	01/56947 A	08/09/2001			
	B40	WO	01/56949 A	08/09/2001			
	B41	WO	01/56950 A	08/09/2001			
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	B43	SU	1455569	10/04/1996			X

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	C1	Aguilar, E.A., "Processing and crystallization of rapidly solidified Al ₂ O ₃ -Y ₂ O ₃ fibres", British Ceramic Transactions, 2000, Vol. 99, No. 6, pp. 256-259.
	C2	Brewer, Luke N. et al., "Interface modification for increased fracture toughness in reaction-formed yttrium aluminum garnet/alumina eutectic composites," 1999, Vol. 14, No. 10, pp. 3907-3912.
	C3	Brockway et al. "Rapid Solidification of Ceramics a Technology Assessment", <u>Metals and Ceramics Information Center</u> , MCIC Report, January 1984 MCIC 84-49

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	C5	"China: Oversupply Puts Rare Earths Projects On Hold", Industrial Minerals, August, 1997, 1 page.
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	C9	Coutures et al., "PRODUCTION AND STUDIES OF ALUMINA BASED REFRACTORY GLASS," <u>Mat. Res. Bull.</u> , Vol. 10, No. 6, 1975, pp 539-546.
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	C12	Figs. 311, 346, 350, 354-56, 373, and 716, <u>Phase Diagrams For Ceramists</u> , The American Ceramic Society, 1964, pp. 122, 136, 138, 140, 144, 248.
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	C14	Figs. 4366-71, 4377-78, 4404-05, 4417, 4426, 4430, 4433, 4437, 4440, 4444, 4457, 4572, and 4602, <u>Phase Diagrams For Ceramists, 1975 Supplement</u> , The American Ceramic Society, 1975, pp. 130-32, 135-36, 147, 152, 157, 159-60, 163-64, 166, 172-73, 238, 257.
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	C24	Isobe, T. et al., "Microstructure and Thermal Stability of $\text{Al}_2\text{O}_3/\text{Y}_3\text{Al}_5\text{O}_{12}$ (YAG) Eutectic Composite Prepared by an Arc Discharge Method", <u>J. Ceram. Soc. Jap.</u> , 109, [1], 2001, pp. 66-70, Abstract in English.
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	C29	Krokhin et al., "Synthesis of Y-Al Garnet", <u>Glass and Ceramics</u> , Vol. 55, Nos. 5-6, 1998, pp. 151-152.
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	C69	U.S. Patent Application entitled "Fused Al ₂ O ₃ -Y ₂ O ₃ -ZrO ₂ Eutectic Abrasive Particles, Abrasive Articles, And Methods Of Making And Using The Same", filed July 19, 2000, Rosenflanz having U.S. Serial No. 09/618,876 (Attorney Docket No. 55763US002).
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	C72	U.S. Patent Application entitled "Methods of Making Ceramics", filed February 5, 2003, Anderson et al., having a U.S. Serial No. 10/358765 (Attorney Docket No. 58258US002)
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	C77	U.S. Application entitled "Use of Glasses Containing Rare Earth Oxide, Alumina, and Zirconia And Dopant In Optical Waveguides", filed April 28, 2003, having U.S. Serial No. 10/425,039 (Attorney Docket No. 58435US002)
	C78	U.S. Application entitled " Methods of Making Ceramic Particles", filed September 5, 2003, having U.S. Serial No. 10/655729 (Attorney Docket No. 58790US002)
	C79	U.S. Application entitled "Ceramics Comprising Al ₂ O ₃ , REO, ZrO ₂ and/or HfO ₂ , and Nb ₂ O ₅ and/or Ta ₂ O ₅ , and Methods of Making The Same", filed September 18, 2003, having U.S. Serial No. 10/666212 (Attorney Docket No. 58807US002)
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